

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference FE241511	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/KR2004/002469	International filing date (<i>day/month/year</i>) 24 SEPTEMBER 2004 (24.09.2004)	(Earliest) Priority Date (<i>day/month/year</i>) 30 SEPTEMBER 2003 (30.09.2003)
Applicant UTStarcom Korea Limited et al		

This International search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, see Box No. I.

2. Certain claims were found unsearchable (See Box No. II)

3. Unity of invention is lacking (See Box No. III)

4. With regard to the title,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the abstract,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 1

as suggested by the applicant.

because the applicant failed to suggest a figure.

because this figure better characterizes the invention.

b. none of the figure is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/KR2004/002469

A. CLASSIFICATION OF SUBJECT MATTER**IPC7 H04B 7/26**

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 H04B 7/005, H04B 7/26

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
KR, JP as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 01/61884 A1 (QUALCOMM INCORPORATED) 23 AUGUST 2001 (23.08.2001) see the page 5, page 7 line 32 - page 24 line 17 and fig. 6	1 - 2
Y	WO 01/37443 A1 (SAMSUNG ELECTRONICS CO., LTD.) 25 MAY 2001 (25.05.2001) see the page 2 line 10 - 17, page 7 line 21 - page 15 line 4 and fig. 1C	1 - 2
A	KR10-2003-00007 A (LG ELECTRONICS CO., LTD.) 03 JANUARY 2003 (03.01.2003) see the page 2 line 9 - page 4 line 6 and fig. 1	1 - 2
A	WO 01/26246 A1 (QUALCOMM INCORPORATED) 12 APRIL 2001 (12.04.2001) see the page 7 - page 8 line 6fig. 3	1 - 2

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

23 NOVEMBER 2004 (23.11.2004)

Date of mailing of the international search report

23 NOVEMBER 2004 (23.11.2004)

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/KR2004/002469

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 01/61884 A1	23.08.2001	US20010040880A1 JP2003523689T2 EP1256190A1 CN1418411T CA2398936AA AU0138309A5	15.11.2001 05.08.2003 13.11.2002 14.05.2003 23.08.2001 27.08.2001
WO 01/37443 A1	25.05.2001	KR2001-68691A JP2001156679A2 EP1233532A1 CN1390396T CN1390397T CA2391631AA	23.07.2001 08.06.2001 21.08.2002 08.01.2003 08.01.2003 25.05.2001
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WO 01/26246 A1	12.04.2001	US20040008644A1 JP2003511892T2 EP1219043A1 CN1391733T CA2387537AA AU0077550A5	15.01.2004 25.03.2003 03.07.2002 15.01.2003 12.04.2001 10.05.2001